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ARTIFICIAL INTERVERTEBRAL DISC CAPSULE AND METHOD FOR BURYING THE SAME

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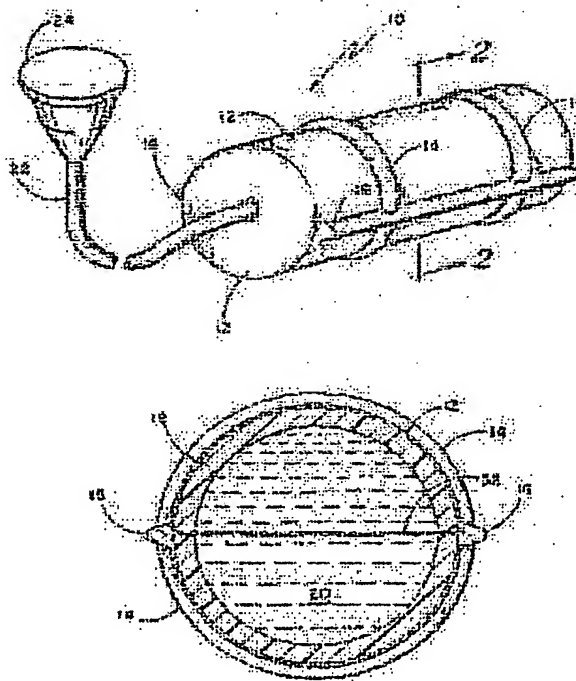
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Abstract of JP 1070041 (A)

PURPOSE: To restore the degraded intervertebral plates by constituting an artificial intervertebral plate capsule of a slender cylindrical shape which has an outer layer of high-tenacity inert fibers mixed with a biologically reabsorbable material and a bag part packed with fluid and limiting rotation while assuring the movement to include forward and backward bending by maintaining a height size in the space between the intervertebral plates. **CONSTITUTION:** The many polymer fibers or other high-tenacity inert fibers 32 are extended to transversely cross the equator of the intervertebral plate capsule 10. These fibers are woven together with the fibers of the outer layer 12.; The flat formation of the artificial intervertebral plate capsule 10 by the perpendicular pressure of the patient's spinal cord is prevented by the presence of such transverse fibers 32, by which the space between the ill spinal bones is maintained. The artificial intervertebral plate capsule 10 is embedded into this spacing. Longitudinal vanes 16 prevent the artificial intervertebral plate capsule from rotating, and circumferential flanges 14 act to well fix the artificial intervertebral plate capsule into the spacing between the spinal bones.



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